Confidential
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MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1942

J. A. BROWN, DIRECTOR

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STATISTICS DIVISION

DECEMBER 1942
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.2	62.6	61.9	62.9	20.6	16.8	17.9	19.3	18.6	18.6
2	1.2	0.2	0.6	0.7	21.2	16.1	18.1	19.6	17.3	18.3
3	1.3	0.5	0.5	0.8	21.2	17.1	17.8	20.4	17.6	18.6
4	1.2	0.9	1.1	1.1	19.7	15.0	18.3	19.4	17.3	18.3
5	2.5	1.9	2.3	2.2	19.8	13.9	15.5	18.3	16 6	16.8
6	62 4	62.3	62.6	62.4	19.1	14.4	17.2	17.7	14.9	16.6
7	2.8	2.2	1.8	2 3	19.0	15.0	16.9	18.3	16.1	17.1
8	1.1	2.4	3.1	2.2	19.0	13.6	16.6	17.2	14.4	16.1
9	2.6	3.1	3.2	3.0	17.9	13.2	15.6	17.7	14.5	15.9
10	3.6	3.2	3.2	3.3	17.7	13.3	15.8	16.7	15.4	16.0
11	59.8	59.7	63.0	60.8	15.0	13.2	13.8	14.8	14.5	14.4
12	63.2	63.1	7.0	4.4	15.1	11.6	13.1	15.1	12.5	13.6
13	8.5	7.2	2.8	6.2	16.7	12.7	13.9	16.1	13.3	14.4
14	6.4	8.7	6.7	7.3	17.3	13.4	14.3	16.1	14 3	14.9
15	4.8	3.5	1.5	3.3	18.8	14.9	14.9	17.8	14.9	15.9
16	65.8	65.3	65.8	65.6	19.1	11.7	17.2	15.2	16.4	16.3
17	7.4	6.9	8.7	7.7	16.8	12.3	13.8	16.1	14.5	14.8
18	7.7	5.7	4.8	6.1	18.1	14.3	14.3	17.3	16.2	15.9
19	3.3	2.0	3.5	2.9	19.4	13.8	18.2	18.9	16.5	17.9
20	6.9	6.6	7.9	7.1	18.2	13.8	16.0	18.2	17.3	17.2
21	68.1	66.6	67.5	67.4	17.9	12.5	14.8	17.1	16.2	16.0
22	7.3	6.4	6.8	6.8	18.7	12.2	14.3	17.4	14.8	15.5
23	6.4	4.9	3.9	5.1	17.4	11.9	14.8	16.1	14.3	15.1
24	3.5	3.1	3.5	3.4	16.5	13.9	14.2	15.1	13.9	14.4
25	4.7	4.0	4.7	4.5	16.7	11.7	13.8	15.9	14.1	14.6
26	64.5	64.5	63.0	64.0	17.6	13.1	13.4	15.6	15.9	14.7
27	59.7	1.9	2.7	1.4	17.9	14.0	16.8	17.2	15.4	16.5
28	62.5	1.4	1.8	1.9	19.0	12.8	16.7	17.5	15.2	16.5
29	2.1	1.1	2.4	1.7	16.1	13.0	13.3	15.5	13.8	14.2
03	3.8	3.4	3.8	3.7	18.2	12.9	14.9	17.2	14.3	15.5
31	5.0	3.9	5.3	4.7	16.8	11.8	13.7	16 4	13 4	14.5
	64.00	63.52	63.78	63.77	18.14	13.54	15.48	17.13	15.27	15.97

Barometer, range for month 759.7 — 768.7 mm.
,, 62-yr. average for month 763.25 mm.
Thermometer, range for month 11.6° — 21.2° C.
,, 62-yr. average for month 15.91° C.
Rain, total for month 53.85 mm.
,, , 62-yr. average for month 186.94 mm.
,, , total, from Sept. 1st 341.38 mm.
62-yr. average, total from Sept 1st 370 33 mm.

DECEMBER 1942
METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	11.3	13.8	14.7	13.3	74	83	77	78	6.9	256.0	
2	11.7	13.4	11.8	12.3	76	80	80	79	3.4	147.2	
3	11.8	12.4	12.2	12.1	78	70	80	76	6.3	284.8	
4	12.9	13.7	11.5	12.7	83	82	78	81	2.4	208.0	14.73
5	12.5	10.6	9.4	10.8	95	68	67	77	5.2	288.0	
6	9.8	11.3	11.8	11.0	68	74	94	79	1.5	352.6	9.14
7	10.0	11.4	10.4	10.6	70	73	77	73	3.8	296.0	
8	10.1	9.8	9.3	9.7	71	68	76	72	7.2	504.0	
9	9.3	10.7	9.2	9.7	70	72	74	72	7.4	384.0	
10	9.8	10.4	9.4	9.9	73	74	72	73	4.0	320.0	
11	10.3	8.8	7.9	9.0	87	69	65	74	5.2	576.0	20.32
12	8.2	8.3	8.2	8.2	72	65	76	71	7.6	416.0	
13	8.1	9.8	8.7	8.9	69	72	76	72	7.5	432.0	
14	7.6	8.7	9.3	8.5	62	64	77	68	6.3	224.0	
15	8.1	10.7	12.4	10.4	64	71	95	77	3.0	400.0	
16	9.3	10.2	7.5	9.2	67	80	54	67	3.8	256.0	
17	10.2	10.2	7.5	9.3	87	76	61	75	5.4	400.0	4.32
18	8.4	10.4	9.6	9.5	69	72	70	70	7.3	352.0	
19	7.9	11.6	8.9	9.5	51	72	63	62	7.5	278.4	
20	9.1	10.1	8.3	9.2	68	65	57	63	8.0	249.6	
21	9.0	10.1	9.5	9.5	71	70	70	70	8.2	384.0	
22	8.0	11.1	9.6	9.6	66	75	76	72	7.1	304.0	
23	7.4	9.1	8.0	8.2	59	67	66	64	7.3	264.0	
24	8.4	9.6	7.5	8.5	70	75	64	70	6.2	336.0	
25	7.4	8.6	8.1	8.0	65	64	68	66	5.6	384.0	
26	8.2	9.2	8.6	8.7	71	70	68	70	4.0	136.0	
27	8.6	11.2	10.6	10.1	60	77	82	73	3.8	304.0	1.78
28	10.7	11.6	9.9	10.7	75	77	77	76	5.8	496.0	
29	10.8	11.5	10.0	10.8	94	88	85	89	2.1	192.0	17.27
30	9.8	10.6	9.5	10.0	78	73	78	76	1.0	384.0	
31	11.2	10.7	10.1	10.7	95	78	87	87	2.3	368.9	2.29
	9.56	10.63	9.65	9.95	72.8	73.0	73.8	73.2	5.22	328.25	1.73

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

DECEMBER 1942

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3ci	6ci	0	3.0	0	2ne	2ne	slight	
2	6cu	10cu	6cu	7.3	0	0	1ne	„	
3	0	0	5cu	1.7	0	1nw	1nw	„	
4	9cu	8cu	4cu-ni	7.0	0	2sw	1sw	„	
5	10ni	4cu	1cu	5.0	0	2sw	2sw	„	
6	5cu	10cu	10cu	8.3	2sw	4sw	2sw	slight	
7	4cu	8cu	0	4.0	2s	0	2s	„	
8	2cu	0	0	0.7	2sw	3sw	4sw	„	
9	0	2cu	0	0.7	2sw	0	3s	„	
10	5cu	5cu	4cu	4.7	3se	2se	2w	„	
11	8cu	5cu	0	4.3	2sw	4sw	4s	slight	
12	0	0	0	0.0	4s	4sw	3sw	„	
13	0	4cu	0	1.3	2s	2se	2se	„	
14	5cu	4cu	0	3.0	2s	0	1s	„	
15	8cu	10cu	5cu	7.7	2sw	2sw	2sw	„	
16	5cu	8cu	5cu	6.0	1sw	1sw	2sw	slight	
17	4cu	0	0	1.3	2sw	1sw	2sw	„	
18	2cu	5cu	10cu	5.7	1s	1sw	2s	„	
19	0	0	5cu	1.7	1sw	3s	0	„	
20	0	0	0	0.0	1sw	0	1sw	„	
21	0	0	0	0.0	1n	1n	3nw	slight	
22	4cu	0	0	1.3	2nw	0	1s	„	
23	0	0	4cu	1.3	1s	1s	1s	„	
24	0	5cu	4cu	3.0	1sw	1sw	1sw	„	
25	2cu	0	0	0.7	1s	1s	1s	„	
26	3cu	5cu	10cu	6.0	1s	0	0	slight	
27	8cu	5cu	0	4.3	3sw	1sw	0	„	
28	5cu	9cu	3cu	5 7	2sw	2sw	1sw	„	
29	10ni	3cu	4cu	5.7	1sw	0	0	„	
30	2cu	10cu	1cu	4 3	1sw	2sw	1sw	„	tr. of rain a.m.
31	10ni	2cu	1cu	4.3	0	2sw	0	„	
				3.54					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	0	1	9	13	0	1	6	31
14:30	1	1	0	2	3	15	0	1	8	31
20:30	0	2	0	1	8	12	1	2	5	31
Totals	2	3	0	4	20	40	1	4	19	93

Number of days with rain 7, fog 0, thunderstorms 0, gale 0.

62 yr. av. days with rain during month 13.4 days